

ORGANISATION DE COOPÉRATION ET DE DÉVELOPPEMENT ÉCONOMIQUES



ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT

## **COMMUNICATIONS OUTLOOK 2001 Telecommunications**

**Country: FINLAND**

**Date completed: 07.08.2000**

## TELECOMMUNICATIONS

### Market Structure and Regulatory Status (Questions 1 -10)

1. Please provide details of the regulation of communication infrastructure, including the public switched telecommunication network (PSTN), provision in your country.

Infrastructure provision for following service	Regulatory Status (e.g. monopoly, duopoly, certain number, fully open to any applicant)	Number of licensed operators (2000)
Fixed PSTN (Local, National and International)	Fully open	164
Network infrastructure capacity (Includes only companies not licensed to provide voice services)	Fully open	48
Analogue Cellular Mobile (e.g. NMT etc.)	Fully open	1
Digital Cellular Mobile (e.g. GSM, PCS etc.)	Fully open	4
Wireless local loop (fixed wireless)	Fully open	41
IMT-2000 Operators (i.e. UMTS and 3 <sup>rd</sup> Generation)	Fully open	6

2. Please provide details for the major public telecommunication operator (PTO) of public switched telecommunication services in your country. (PTOs are state and privately owned entities providing public switched telecommunication services over their own infrastructure)

Name of PTO	PTO Ownership Status (2000) (e.g. state owned/privately owned) If a balance of ownership exists please indicate the share (%) held by the government
Sonera Ltd.	Sonera ltd. was partially privatised in 1998, when 22,2 % of shares were sold to institutional investors. In late 1999 the Finnish state sold a further 20.2 % of Sonera shares and in March 2000 a further 3,4 % (state owned 54,2% and privately owned 45,8 %)

**3. Please provide details of market share for the largest PTO in the following categories.**

	The largest PTO's share	
	End 1998	End 1999
Local Access: % of access lines	28	27,0
Local Access: % of local calls	24,6	
National Long Distance (% of total minutes) <sup>1</sup>	37,1	37,9
International (% of total outgoing MiTT)	55,7	51,5
Internet Subscribers <sup>2</sup>	..	252 500

1. If % of minutes is not available, please indicate the % of revenue

2. If share of subscribers is not available, please indicate number of Internet subscribers for the PTO.

**4. Please provide details of the number of subscribers by cellular and PCN mobile communication operators.**

Name of Operator	Number of Subscribers (End 1999) <sup>1</sup>
1.Sonera	1 938 644
2.Radiolinja	1 153 071
3.Telia Finland	32 600
4. Finnet	32 127
5.ÅMT	6 129
6. RSL Com	1 637

**5. Please provide a description of the most significant recent policy changes affecting the provision of telecommunications services, as well as any draft laws, or regulatory proposals to be implemented in 2000 to 2001.**

Please provide details:

- Bill proposing amendments to Telemarket Act was given to Parliament 9 June 2000. The idea is that under the amended Act, the telecom company controlling the telephone network subscriber connections should be obliged to rent out spare capacity to its competitors. Parallel access to subscriber connections is expected to promote the availability of low-cost Internet connections to households.

<sup>1</sup> For further information of the Mobile communications market in Finland, see Telecommunicationsstatistics 2000.

**6. Please provide a brief description of the responsibilities of the national regulatory authorities for public telecommunication services. Please highlight any changes over the last 12 months.**

Please provide details:  
Regulatory authorities in Finland are the Ministry of Transport and Communications (further MINTC) and Telecommunications Administration Centre (further TAC):  
MINTC:  
- Policies and development  
- Licenses and notifications  
TAC:  
- Supervision and inspection  
- Numbers  
- Frequency licences  
- Type approval

**7. Are there any foreign ownership, size of shareholding or other ownership restrictions on individuals and corporations investing in the incumbent PTO(s) in your country?**

No

**8. Are there any communication infrastructures or services (e.g. mobile, cable television, terrestrial broadcasting, satellite broadcasting) that PTOs in your country are not permitted to provide directly? In addition, please specify any restrictions on PTOs investing in companies that provide such infrastructure or services. Please include information on requirements by the incumbent PTO to divest cable networks.**

Please provide details:  
No restrictions

9. What selection procedures are used to grant licences for new Wireless Local Loop (WLL) and IMT-2000 services? (e.g. spectrum auctions, calls for tenders, government appointments, licence on request)?

Please provide details:

Wireless Local Loop:

- Notification to the Ministry of Transport and Communications
- Frequency licence on request from Telecommunications Administration Centre

IMT-2000:

- Network service provision: Individual licence granted by government (beauty contest)
- Service provision: Notification to the Ministry of Transport and Communications

10. Under the communication regulation existing in your country how would national and international voice telephony services provided over the Internet, by entities other than a PTO, be defined and treated? Please mention any restrictions or obligations that may apply.

Please provide details:

### **Pricing (Questions 11 -12)**

11. What, if any, conditions are applied to the tariffs set by PTOs? (Please include any price control information such as price caps or approvals and specify for which services they apply).

Please provide details:

Retail prices shall be transparent, cost oriented and itemised. This concerns only tariffs of fixed local network when the operator has significant market power and a subscriber line of user which has a capacity under 2 Mbit/s. In practise this means households only.

There is no price control in use.

**12. If communication discount schemes are available in your country please provide information on one or more popular schemes applicable to low users and dial-up Internet access users from the incumbent PTO. In the space below please indicate the main features:**

<p>Low User scheme:</p> <p>Not in use</p> <p>Internet Access Discount Scheme: Helsinki Telephone Company (HTC) offers cheaper call prices for its own Internet customers, when the customer is using the network for data transmission (Internet) and not for voice transmission. The discount from normal local call-prise is 20 % between 7 - 23 and 40 % between 23 - 7</p> <p>(Additional pamphlets from the PTO in English or French, or with the main points translated into one of these languages, would be most appreciated. Please provide data in local currency).</p>
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Note: Low user schemes is a term sometimes applied by PTOs to schemes designed for segments of the community that are financially disadvantaged. A dial-up Internet user refers to a consumer accessing the Internet via a PC with a modem over the local public switched telecommunication network.

**Numbering/Domain Names (Questions 13 - 14)**

**13. Please describe the numbering policy in your country. Please mention the responsible authority and whether portability (including geographic portability) has been introduced and for which services (e.g. 800 numbers, cellular numbers, local PSTN numbers).**

<p>Please provide details:</p> <p>Telecommunications Administration Centre</p>
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**14. Which organisation is responsible for the administration of your Internet country code top level domain names. (An example of a country code top level domain name is .be for Belgium). Please provide any details of any recent policy initiatives relating to country code domains.**

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## Interconnection (Questions 15)

### 15. Interconnection between fixed networks.

	Yes/ No	Details
Are PSTN interconnect or access charges a matter for commercial agreement between operators? And if so, is there provision for arbitration and by whom?	YES	Telecommunications Administration Centre can arbitrate.
Is there a requirement on the incumbent to publish the rate for PSTN interconnect or access charges?	YES	
For the purpose of establishing interconnect or access charges is accounting separation used?	YES	
Once the interconnection or access charge of the incumbent has been established, is it available as a standard rate for other service providers (including other PTOs and resellers)?	YES	
Does regulation specify that competitive service providers can collocate facilities on the same site as incumbent PTOs? (Please indicate whether resellers and Internet Service Providers can collocate equipment under the same terms and conditions as PTOs without being designated as a PTO?)	YES	
What kind of interconnection accounting methodology (e.g. LRIC, FDC, etc.) is used for calculating the incumbent's interconnection charges?		
Is carrier pre-selection implemented? If so, please describe the coverage of carrier pre-selection (e.g. local, long-distance and international).	YES	Long-distance and international

**16. Fixed to Mobile Network Interconnection**

	<b>Details</b>
Are termination rates to mobile networks published?	Yes except from local to mobile
How are the termination rates for fixed-to-mobile calls determined in your country (e.g. commercial negotiated between operators, determined by mobile operator or other)?	
Are these rates subject to any regulation (e.g. must they be cost orientated if operators have significant market power)?	

**Unbundling (Questions 17 -18)**

**17. Please describe initiatives for local loop unbundling and indicate when unbundling policies were put in place or the expected date of implementation.**

<p>Please provide details: Local loop unbundling was implemented in 1997.</p>
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**18. Please provide the prices for access to unbundled local loops and specify the service on offer (e.g. raw copper, DSL subscriber line).**

<p>Please provide details:</p>
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## **Consumer Issues (Questions 19 -20)**

**19.**

	<b>Details</b>
In the context of universal service policies, which elements of telecommunication service are considered as part of universal service in your country?	The concept of Universal service has not been implemented as such. Operators have a general service obligation
Please provide details of any explicit funding mechanism for addressing universal service and its coverage (this can include initiatives related to infrastructure in respect to addressing digital divide issues).	No funding mechanism
Is the cost of providing universal service calculated? If so please provide the latest annual costing.	
What percentage of telephone subscribers do not have access to an Internet service provider's point of presence with a local call?	
What is the average monthly online time for a subscriber to the largest PTO's Internet access service (e.g. number of hours).	
What is the average household consumption expenditure of telecommunication services in your country? Please provide the data in local currency and specify the year of the survey. Please indicate which of the following telecommunications services are included or excluded -- fixed PSTN services, cellular mobile services and Internet access -- or provide a definition of the indicator used in your country.	

**20.**

	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>
Please report any estimates of the potential coverage of access lines with DSL by the end of the following years (as a % of total subscriber lines) by the incumbent(s):	..	..	..	..